IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	: Robert K. Schulz	
Appln. No.	: 10/825,480	
Filed	: April 15, 2004	Group Art Unit: 2855
For	: MAGNETIC FLOW METER WITH REFERENCE ELECTRODE	Examiner:
Docket No.	: R11.12-0803	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING SENT BY U.S. MAIL, FIRST CLASS, TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, THIS

___ DAY OF ________________, 20_____.

____
PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

TIME OF FILING

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

2. ___ after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:

(check either A or B below)

A. ___ a statement as specified in 37 C.F.R. § 1.97(e).

B. ___ the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. ___ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:

A. a statement as specified in 37 C.F.R. § 1.97(e);

B. the petition fee set forth in 37 C.F.R. § 1.17(i).

STATEMENT

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

___ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

___ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).

METHOD OF PAYMENT

_X_ No fee is required.

____ Attached is a check in the amount of $_____.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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AGR:bjt

FORM PTO-1449	Atty. Docket No.: R11.12-0803	Appl. No.: 10/825,480
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Robert K. Schulz	
	Filing Date	Group Art:
	April 15, 2004	2855

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	AA	Re.29,383	09/06/77	Gallatin et al.	137	14	
	AB	3,096,434	07/02/63	King	235	151	
	AC	3,404,264	10/01/68	Kugler	235	194	
	AD	3,468,164	09/23/69	Sutherland	73	343	
	AE	3,590,370	06/29/71	Fleischer	324	51	
	AF	3,688,190	08/29/72	Blum	324	61R	
	AG	3,691,842	09/19/72	Akeley	73	398C	
	AH	3,701,280	10/31/72	Stroman	73	194	
	AI	3,973,184	08/03/76	Raber	324	51	
	AJ	4,058,975	11/22/77	Gilbert et al.	60	39.28	
	AK	4,099,413	07/11/78	Ohte et al.	73	359	
	AK	4,102,199	07/25/78	Talpouras	73	362	
	AL	4,122,719	10/31/78	Carlson et al.	73	342	
	AM	4,250,490	02/10/81	Dahlke	340	870.37	
	AN	4,337,516	06/29/82	Murphy et al.	364	551	
	AO	4,399,824	08/23/83	Davidson	128	736	
	AP	4,517,468	05/14/85	Kemper et al.	290	52	
	AQ	4,528,869	07/16/85	Kubo et al.	74	695	
	AR	4,530,234	07/23/85	Cullick et al.	73	53	
	AS	4,571,689	02/18/86	Hildebrand et al.	364	481	
	AT	4,635,214	01/06/87	Kasai et al.	364	551	
	AU	4,642,782	02/10/87	Kemper et al.	364	550	
	AV	4,644,479	02/17/87	Kemper et al.	364	550	
	AW	4,649,515	03/10/87	Thompson et al.	364	900	
	AX	4,707,796	11/17/87	Calabro et al.	364	552	
	AY	4,736,367	05/05/88	Wroblewski et al.	370	85	

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	BA	4,777,585	10/11/88	Kokawa et al.	364	164	
	BB	4,807,151	02/21/89	Citron	364	510	
	BC	4,831,564	05/16/89	Suga	364	551.01	
	BD	4,841,286	06/20/89	Kummer	340	653	
	BE	4,873,655	10/10/89	Kondraske	364	553	
	BF	4,907,167	03/06/90	Skeirik	364	500	
	BG	4,924,418	05/08/90	Backman et al.	364	550	
	BH	4,934,196	06/19/90	Romano	73	861.38	
	BI	4,939,753	07/03/90	Olson	375	107	
	BJ	4,964,125	10/16/90	Kim	371	15.1	
	BK	4,988,990	01/29/91	Warrior	340	25.5	
	BL	4,992,965	02/12/91	Holter et al.	364	551.01	
	BM	5,005,142	04/02/91	Lipchak et al.	364	550	
	BN	5,019,760	05/28/91	Chu et al.	318	490	
	BO	5,043,862	08/27/91	Takahashi et al.	364	162	
	BP	5,053,815	10/01/91	Wendell	355	208	
	BQ	5,067,099	11/19/91	McCown et al.	364	550	
	BR	5,081,598	01/14/92	Bellows et al.	364	550	
	BS	5,089,984	02/18/92	Struger et al.	395	650	
	BT	5,098,197	03/24/92	Shepard et al.	374	120	
	BU	5,099,436	03/24/92	McCown et al.	364	550	
	BV	5,103,409	04/07/92	Shimizu et al.	364	556	
	BW	5,111,531	05/05/92	Grayson et al.	395	23	
	BX	5,121,467	06/09/92	Skeirik	395	11	
	BY	5,122,794	06/16/92	Warrior	340	825.2	

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	CA	5,122,976	06/16/92	Bellows et al.	364	550	
	CB	5,130,936	07/14/92	Sheppard et al.	364	551.01	
	CC	5,134,574	07/28/92	Beaverstock et al.	364	551.01	
	CD	5,137,370	08/11/92	McCullock et al.	374	173	
	CE	5,142,612	08/25/92	Skeirik	395	11	
	CF	5,143,452	09/01/92	Maxedon et al.	374	170	
	CG	5,148,378	09/15/92	Shibayama et al.	364	551.07	
	CH	5,167,009	11/24/92	Skeirik	395	27	
	CI	5,175,678	12/29/92	Frerichs et al.	364	148	
	CJ	5,193,143	03/09/93	Kaemmerer et al.	395	51	
	CK	5,197,114	03/23/93	Skeirik	395	22	
	CL	5,197,328	03/30/93	Fitzgerald	73	168	
	CM	5,212,765	05/18/93	Skeirik	395	11	
	CN	5,214,582	05/25/93	Gray	364	424.03	
	CO	5,224,203	06/29/93	Skeirik	395	22	
	CP	5,228,780	07/20/93	Shepard et al.	374	175	
	CQ	5,235,527	08/10/93	Ogawa et al.	364	571.05	
	CR	5,265,031	11/23/93	Malczewski	364	497	
	CS	5,265,222	11/23/93	Nishiya et al.	395	3	
	CT	5,269,311	12/14/93	Kirchner et al.	128	672	
	CU	5,274,572	12/28/93	O'Neill et al.	364	550	
	CV	5,282,131	01/25/94	Rudd et al.	364	164	
	CW	5,282,261	01/25/94	Skeirik	395	22	
	CX	5,293,585	03/08/94	Morita	395	52	
	CY	5,303,181	04/12/94	Stockton	365	96	

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Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	DA	5,305,230	04/19/94	Matsumoto et al.	364	495	
	DB	5,311,421	05/10/94	Nomura et al.	364	157	
	DC	5,317,520	05/31/94	Castle	364	482	
	DD	5,327,357	07/05/94	Feinstein et al.	364	502	
	DE	5,333,240	07/26/94	Matsumoto et al.	395	23	
	DF	5,347,843	09/20/94	Orr et al.	73	3	
	DG	5,349,541	09/20/94	Alexandro, Jr. et al.	364	578	
	DH	5,357,449	10/18/94	Oh	364	551.01	
	DI	5,361,628	11/08/94	Marko et al.	73	116	
	DJ	5,365,423	11/15/94	Chand	364	140	
	DK	5,367,612	11/22/94	Bozich et al.	395	22	
	DL	5,384,699	01/24/95	Levy et al.	364	413.13	
	DM	5,386,373	01/31/95	Keeler et al.	364	577	
	DN	5,394,341	02/28/95	Kepner	364	551.01	
	DO	5,394,543	02/28/95	Hill et al.	395	575	
	DP	5,404,064	04/04/95	Mermelstein et al.	310	319	
	DQ	5,408,406	04/18/95	Mathur et al.	364	163	
	DR	5,408,586	04/18/95	Skeirik	395	23	
	DS	5,414,645	05/09/95	Hirano	364	551.01	
	DT	5,419,197	05/30/95	Ogi et al.	73	659	
	DU	5,430,642	07/04/95	Nakajima et al.	364	148	
	DV	5,440,478	08/08/95	Fisher et al.	364	188	
	DW	5,442,639	08/15/95	Crowder et al.	371	20.1	
	DX	5,467,355	11/14/95	Umeda et al.	364	571.04	
	DY	5,469,070	11/21/95	Koluvek	324	713	

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	EA	5,469,156	11/21/95	Kogura	340	870.38	
	EB	5,469,735	11/28/95	Watanabe	73	118.1	
	EC	5,481,199	01/02/96	Anderson et al.	324	705	
	ED	5,483,387	01/09/96	Bauhahn et al.	359	885	
	EE	5,485,753	01/23/96	Burns et al.	73	720	
	EF	5,486,996	01/23/96	Samad et al.	364	152	
	EG	5,488,697	01/30/96	Kaemmerer et al.	395	51	
	EH	5,489,831	02/06/96	Harris	318	701	
	EI	5,495,769	05/03/96	Broden et al.	73	718	
	EJ	5,510,799	04/23/96	Maltby et al.	340	870.300	
	EK	5,511,004	04/23/96	Dubost et al.	364	551.01	
	EK	5,548,528	08/20/96	Keeler et al.	364	497	
	EL	5,561,599	10/01/96	Lu	364	164	
	EM	5,570,300	10/29/96	Henry et al.	364	551.01	
	EN	5,572,420	11/05/96	Lu	364	153	
	EO	5,573,032	11/12/96	Lenz et al.	137	486	
	EP	5,598,521	01/28/97	Kilgore et al.	395	326	
	EQ	5,600,148	02/04/97	Cole et al.	250	495.1	
	ER	5,623,605	04/22/97	Keshav et al.	395	200.17	
	ES	5,637,802	06/10/97	Frick et al.	73	724	
	ET	5,640,491	06/17/97	Bhat et al.	395	22	
	EU	5,661,668	08/26/97	Yemini et al.	364	550	
	EV	5,665,899	07/09/97	Willcox	73	1.63	
	EW	5,669,713	09/23/97	Schwartz et al.	374	1	
	EX	5,671,335	09/23/97	Davis et al.	395	23	
	EY	5,675,504	10/07/97	Serodes et al.	364	496	

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	FA	5,675,724	10/07/97	Beal et al.	395	182.02	
	FB	5,680,109	10/21/97	Lowe et al.	340	608	
	FC	5,700,090	12/23/97	Eryurek	374	210	
	FD	5,703,575	12/30/97	Kirpatrick	340	870.17	
	FE	5,704,011	12/30/97	Hansen et al.	395	22	
	FF	5,705,978	01/06/98	Frick et al.	340	511	
	FG	5,708,585	01/13/98	Kushion	364	431.061	
	FH	5,710,708	01/20/98	Wiegland	364	470.1	
	FI	5,713,668	02/03/98	Lunghofer et al.	374	179	
	FJ	5,719,378	02/17/98	Jackson, Jr. et al.	219	497	
	FK	5,741,074	04/21/98	Wang et al.	374	185	
	FK	5,742,845	04/21/98	Wagner	395	831	
	FL	5,746,511	05/05/98	Eryurek et al.	374	2	
	FM	5,752,008	05/12/98	Bowling	395	500	
	FN	5,764,891	06/09/98	Warrior	395	200.2	
	FO	5,781,878	07/14/98	Mizoguchi et al.	701	109	
	FP	5,801,689	09/01/98	Huntsman	345	329	
	FQ	5,805,442	09/08/98	Crater et al.	364	138	
	FR	5,828,567	10/27/98	Eryurek et al.	700	79	
	FS	5,829,876	11/03/98	Schwartz et al.	374	1	
	FT	5,848,383	12/08/98	Yuuns	702	102	
	FU	5,859,964	01/12/99	Wang et al.	395	185.01	
	FV	5,876,122	03/02/99	Eryurek	374	183	
	FW	5,880,376	03/09/99	Sai et al.	73	861.08	
	FX	5,887,978	03/30/99	Lunghofer et al.	374	179	
	FY	5,923,557	07/13/99	Eidson	364	471.03	

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	GA	5,924,086	07/13/99	Mathur et al.	706	25	
	GB	5,926,778	07/20/99	Pöppel	702	130	
	GC	5,940,290	08/17/99	Dixon	364	138	
	GD	5,956,663	09/21/99	Eryurek et al.	702	183	
	GE	5,970,430	10/19/99	Burns et al.	702	122	
	GF	6,014,902	01/18/00	Lewis et al.	73	861.12	
	GG	6,016,523	01/18/00	Zimmerman et al.	710	63	
	GH	6,016,706	01/25/00	Yamamoto et al.	9	6	
	GI	6,017,143	01/25/00	Eryurek et al.	700	51	
	GJ	6,038,579	03/14/00	Sekine	708	400	
	GK	6,045,260	04/04/00	Schwartz et al.	374	183	
	GL	6,047,220	04/04/00	Eryurek et al.	700	28	
	GM	6,047,222	04/04/00	Burns et al.	700	79	
	GN	6,052,655	04/18/00	Kobayashi et al.	702	184	
	GO	6,119,047	09/12/00	Eryurek et al.	700	28	
	GP	6,119,529	07/19/00	Di Marco et al.	73	861.68	
	GQ	6,151,560	11/21/00	Jones	702	58	
	GR	6,192,281	01/20/01	Brown et al.	700	2	
	GS	6,195,591	01/27/01	Nixon et al.	700	2	
	GT	6,199,018	03/06/01	Quist et al.	702	34	
	GU	6,236,948	05/22/01	Eck et al.	702	45	
	GV	6,263,487	07/17/01	Stripf et al.	717	1	
	GW	6,298,377	10/02/01	Hartikainen et al.	709	223	
	GX	6,311,136	10/30/01	Henry et al.	702	45	
	GY	6,327,914	12/11/01	Dutton	73	861.356	

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	TA	3,618,592		Stewart	128	2.05R	
	TB	3,855,858	12/24/74	Cushing	73	194 EM	
	TC	4,668,473	05/26/87	Agarwal	422	62	
	TD	4,720,806	01/19/88	Schippers et al.	364	551	
	TE	4,736,763	04/12/88	Britton et al.	137	10	
	TF	4,818,994	04/1989	Orth et al.	340	501	
	TG	5,089,979	02/18/92	McEachern et al.	364	571.04	
	TH	5,388,465	02/14/95	Okaniwa et al.	73	861.17	
	TI	5,365,787	11/22/94	Hernandez et al.	73	660	
	TJ	5,436,705	07/25/95	Raj	355	246	
	TK	5,526,293	06/11/96	Mozumder et al.	364	578	
	TL	5,539,638	07/23/96	Keeler et al.	364	424.03	
	TM	5,560,246	10/01/96	Bottinger et al.	73	861.15	
	TN	5,591,922	01/07/97	Segeral et al.	73	861.04	
	TO	5,608,650	03/04/97	McClendon et al.	364	510	
	TP	5,633,809	05/27/97	Wissenbach et al.	364	510	
	TQ	5,708,211	01/13/98	Jepson et al.	73	861.04	
	TR	5,710,370	01/20/98	Shanahan et al.	73	1.35	
	TS	5,736,649	04/07/98	Kawasaki et al.	73	861.23	
	TT	5,747,701	05/05/98	Marsh et al.	73	861.23	
	TU	5,817,950	10/06/98	Wiklund et al.	73	861.66	
	TV	5,908,990	06/01/99	Cummings	73	861.22	
	TW	5,936,514	08/10/99	Anderson et al.	340	310.01	
	TX	6,139,180	10/31/00	Usher et al.	374	1	
	TY	6,360,277	03/19/02	Ruckley et al.	09	250	
	TZ	6,425,038	07/23/02	Sprecher	710	269	

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	Robert K. Schulz	
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	April 15, 2004	**2855**

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	HA	6,370,448	4/2002	Eryurek et al.	700	282	
	HB	6,519,546	2/2003	Eryurek et al.	702	130	
	HC	09/257,896	02/25/99	Eryurek et al.			
	HD	6,397,114	5/2002	Eryurek et al.	700	51	
	HE	6,356,191	3/2002	Kirkpatrick et al.	340	501	
	HF	6,601,005	7/2003	Eryurek et al.	702	104	
	HG	6,505,517	1/2003	Eryurek et al.	73	861.08	
	HH	6,434,504	8/2002	Eryurek et al.	702	130	
	HI	6,654,697	11/2003	Eryurek et al.	702	47	
	HJ	6,701,274	3/2004	Eryurek et al.	702	140	
	HK	6,556,145	4/2003	Kirkpatrick et al.	340	870.17	
	HL	09/409,098	09/30/99	Eryurek et al.			
	HM	6,594,603	7/2003	Eryurek et al.	702	104	
	HN	6,539,267	3/2003	Eruyrek et al.	700	51	
	HO	6,615,149	9/2003	Wehrs	702	76	
	HP	6,473,710	10/2002	Eryurek	702	133	
	HQ	6,449,574	9/2002	Eryurek et al.	702	99	
	HR	6,532,392	3/2003	Eryurek et al.	700	54	
	HS	6,611,775	8/2003	Coursolle et al.	702	65	
	HT	09/799,824	03/05/01	Rome et al.			
	HU	09/855,179	05/14/01	Eryurek et al.			
	HV	09/852,102	05/09/01	Eryurek et al.			
	HW	2003/0045962	08/30/01	Eryurek et al.			
	HX	09/972,078	10/05/01	Eryurek et al.			
	HY	10/635,944	08/07/03	Huisenga et al.			

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U.S. PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes	No
	IA	WO 94/25933	11/10/94	WIPO			X	
	IB	WO 96/11389	04/18/96	WIPO			X	
	IC	WO 96/12993	05/02/96	WIPO			X	
	ID	WO 96/39617	12/12/96	WIPO			X	
	IE	WO 97/21157	06/12/97	WIPO			X	
	IF	WO 97/25603	07/17/97	WIPO			X	
	IG	WO 98/06024	02/12/98	WIPO			X	
	IH	WO 98/13677	04/1998	WIPO			X	
	II	WO 98/20469	05/14/98	WIPO			X	
	IJ	WO 98/39718	09/11/98	WIPO			X	
	IK	WO 99/19782	04/22/99	WIPO			X	
	IL	WO 00/55700	09/21/00	WIPO			X	
	IM	WO 00/70531	11/23/00	WIPO			X	
	IN	0 122 622 A1	10/24/84	EPO			X	
	IO	0 413 814 A1	02/27/91	EPO			X	
	IP	0 487 419 A2	05/27/92	EPO			X	
	IQ	0 512 794 A2	11/11/92	EPO			X	
	IR	0 594 227 A1	04/27/94	EPO			X	
	IS	0 624 847 A1	11/17/94	EPO			X (Abstract)	
	IT	0 644 470 A2	03/22/95	EPO			X	
	IU	0 807 804 A2	19/11/97	EPO			X	
	IV	0 825 506 A2	07/14/97	EPO			X	
	IW	0 827 096 A2	09/01/97	EPO			X	
	IX	0 838 768 A2	09/24/97	EPO			X	
	IY	1 022 626 A2	07/26/00	EPO			X	
	IZ	1 058 093 A1	05/29/99	EPO			(Abstract Only)	

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	Filing Date: April 15, 2004	Group Art: 2855

U.S. PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	JA	58-129316	08/02/83	Japan			X (Abstract)
	JB	59-116811	07/05/84	Japan			X (Abstract)
	JC	59-163520	09/14/84	Japan			(Abstract Only)
	JD	59-211196	11/29/84	Japan			Title and Claim
	JE	59-211896	11/30/84	Japan			X (Abstract)
	JF	60-000507	01/05/85	Japan			X (Abstract)
	JG	60-76619	05/01/85	Japan			X (Abstract)
	JH	60-131495	07/13/85	Japan			X (Abstract)
	JI	60-174915	09/09/85	Japan			(Abstract Only)
	JK	62-30915	02/09/87	Japan			X (Abstract)
	JL	64-72699	03/17/89	Japan			X (Abstract)
	JM	64-01914	01/06/89	Japan			X (Abstract)
	JN	2-05105	01/10/90	Japan			X (Abstract)
	JO	3-229124	10/11/91	Japan			(Abstract Only)
	JP	5-122768	05/18/93	Japan			X (Abstract)
	JQ	06242192	09/02/94	Japan			X (Abstract)
	JR	7-063586	03/10/95	Japan			X (Abstract)
	JS	07234988	09/05/95	Japan			X (Abstract)
	JT	8-054923	02/27/96	Japan			X (Abstract)
	JU	8-102241	04/16/96	Japan			(Abstract Only)
	JV	8-136386	05/31/96	Japan			X (Abstract)
	JW	8-166309	06/25/96	Japan			X (Abstract)
	JX	8-247076	09/24/96	Japan			(Abstract Only)
	JY	8-313466	11/29/96	Japan			(Abstract Only)
	JZ	2712625	10/31/97	Japan			X

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U.S. PATENT DOCUMENTS

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	KA	2712701	10/31/97	Japan			X	
	KB	2753592	03/06/98	Japan			X	
	KC	07225530	05/1998	Japan			(Abstract Only)	
	KD	10-232170	09/02/98	Japan			X	
	KE	11-083575	03/26/99	Japan			(Abstract Only)	
	KF	DE 32 13 866 A1	10/27/83	Germany			(Abstract Only)	
	KG	DE 35 40 204 C1	09/25/86	Germany			X (Abstract)	
	KH	DE 40 08 560 A1	09/20/90	Germany			X (Abstract)	
	KJ	DE 43 43 747	06/1994	Germany			(Abstract Only)	
	KK	DE 44 33 593 A1	06/01/95	Germany			X (Abstract)	
	KL	DE 195 02 499 A1	08/01/96	Germany			X (Abstract)	
	KM	DE 296 00 609 U1	03/27/97	Germany				X
	KN	DE 197 04 694 A1	08/14/97	Germany			(Abstract Only)	
	KO	DE 19930660-A1	07/02/99	Germany			(Abstract Only)	
	KP	DE 199 05 071	08/10/00	Germany			(Abstract Only)	
	KQ	DE 299 17 651 U1	12/14/00	Germany			X	
	KR	DE 100 36 971 A1	02/28/02	Germany			(Abstract Only)	
	KS	928,704	06/12/63	United Kingdom			X	
	KT	1 534 280	11/29/78	United Kingdom			X	
	KU	1 534 288	11/29/78	United Kingdom			X	
	KV	2 310 346 A	08/20/97	United Kingdom			X	
	KW	2 342 453 A	04/12/00	United Kingdom			X	
	KX	2 347 232 A	08/30/00	United Kingdom			X	
	KY	2 302 514	09/24/76	France			(Abstract Only)	
	KZ	2 334 827	07/08/77	France			(Abstract Only)	

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	Filing Date: **April 15, 2004**	Group Art: **2855**

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	LA	"A TCP\IP Tutorial" by, Socolofsky et al., Spider Systems Limited, January 1991 pp. 1-23.
	LB	"Approval Standards For Explosionproof Electrical Equipment General Requirements", Factory Mutual Research, Cl. No. 3615, March 1989, pp. 1-34.
	LC	"Approval Standard Intrinsically Safe Apparatus and Associated Apparatus For Use In Class I, II, and III, Division 1 Hazardous (Classified) Locations", Factory Mutual Research, Cl. No. 3610, October 1988, pp. 1-70.
	KD	"Automation On-line" by, Phillips et al., Plant Services, July 1997, pp. 41-45.
	LE	"Climb to New Heights by Controlling your PLCs Over the Internet" by, Phillips et al., Intech, August 1998, pp. 50-51.
	LF	"CompProcessor For Piezoresistive Sensors" MCA Technologies Inc. (MCA7707), pp. 1-8.
	LG	"Ethernet emerges as viable, inexpensive fieldbus", Paul G. Schreier, Personal Engineering, December 1997, p. 23-29.
	LH	"Ethernet Rules Closed-loop System" by, Eidson et al., Intech, June 1998, pp. 39-42.
	LI	"Fieldbus Standard for Use in Industrial Control Systems Part 2: Physical Layer Specification and Service Definition", ISA-S50.02-1992, pp. 1-93.
	LJ	"Fieldbus Standard for Use in Industrial Control Systems Part 3: Data Link Service Definition", ISA-S50.02-1997, Part 3, August 1997, pp. 1-159.
	LK	"Fieldbus Standard For Use in Industrial Control Systems Part 4: Data Link Protocol Specification, ISA-S50.02-1997, Part 4, August 1997, pp. 1-148.
	LL	"Fieldbus Support For Process Analysis" by, Blevins et al., Fisher-Rosemount Systems, Inc., 1995, pp. 121-128.
	LM	"Fieldbus Technical Overview Understanding FOUNDATION™ fieldbus technology", Fisher-Rosemount, 1998, pp. 1-23.
	LN	"Hypertext Transfer Protocol -- HTTP/1.0" by, Berners-Lee et al., MIT/LCS, May 1996, pp. 1-54.
	LO	"Infranets, Intranets, and the Internet" by, Pradip Madan, Echelon Corp, Sensors, March 1997, pp. 46-50.
	LP	"Internet Technology Adoption into Automation" by, Fondl et al., Automation Business, pp. 1-5.

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	Filing Date	Group Art:
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	MA	"Internet Protocol Darpa Internet Program Protocol Specification" by, Information Sciences Institute, University of Southern California, RFC 791, September 1981, pp. 1-43.
	MB	"Introduction to Emit", emWare, Inc., 1997, pp. 1-22.
	MC	"Introduction to the Internet Protocols" by, Charles L. Hedrick, Computer Science Facilities Group, Rutgers University, October 3, 1988, pp. 1-97.
	MD	"Is There A Future For Ethernet in Industrial Control?", Miclot et al., Plant Engineering, October 1988, pp. 44-46, 48, 50.
	ME	LFM/SIMA Internet Remote Diagnostics Research Project Summary Report, Stanford University, January 23, 1997, pp. 1-6.
	MF	"Managing Devices with the Web" by, Howard et al., Byte, September 1997, pp. 45-64.
	MG	"Modular Microkernel Links GUI And Browser For Embedded Web Devices" by, Tom Williams, pp. 1-2.
	MH	"PC Software Gets Its Edge From Windows, Components, and the Internet", Wayne Labs, I&CS, March 1997, pp. 23-32.
	MI	Proceedings Sensor Expo, Aneheim, California, Produced by Expocon Managemnet Associates, Inc., April 1996, pp. 9-21.
	MJ	Proceedings Sensor Expo, Boston, Massachuttes, Produced by Expocon Management Associates, Inc., May 1997, pp. 1-416.
	MK	"Smart Sensor Network of the Future" by, Jay Warrior, Sensors, March 1997, pp. 40-45.
	ML	"The Embedded Web Site" by, John R. Hines, IEEE Spectrum, September 1996, p. 23.
	MM	"Transmission Control Protocol: Darpa Internet Program Protocol Specification" Information Sciences Institute, September 1981, pp. 1-69.
	MN	"On-Line Statistical Process Control for a Glass Tank Ingredient Scale," by R.A. Weisman, <u>IFAC real Time Programming</u>, 1985, pgs. 29-38.
	MO	"The Performance of Control Charts for Monitoring Process Variation," by C. Lowry et al., <u>COMMUN. STATIS. - SIMULA.</u>, 1995, pgs. 409-437.
	MP	"A Knowledge-Based Approach for Detection and Diagnosis of Out-Of-Control Events in Manufacturing Processes," by P. Love et al., <u>IEEE</u>, 1989, pgs. 736-741.

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	Filing Date: **April 15, 2004**	Group Art: **2855**

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	NA	"Advanced Engine Diagnostics Using Universal Process Modeling", by P. O'Sullivan, Presented at the 1996 SAE Conference on Future Transportation Technology, pgs. 1-9.
	NB	"Parallel, Fault-Tolerant Control and Diagnostics System for Feedwater Regulation in PWRS, by E. Eryurek et al., Proceedings of the American Power Conference.
	NC	"Programmable Hardware Architectures for Sensor Validation", by M.P. Henry et al., Control Eng. Practice, Vol. 4, No. 10., pgs. 1339-1354, (1996).
	ND	"Sensor Validation for Power Plants Using Adaptive Backpropagation Neural Network," IEEE Transactions on Nuclear Science, Vol. 37, No. 2, by E. Eryurek et al. April 1990, pgs. 1040-1047.
	NE	"Signal Processing, Data Handling and Communications: The Case for Measurement Validation", by M.P. Henry, Department of Engineering Science, Oxford University.
	NF	"Smart Temperature Measurement in the '90s", by T. Kerlin et al., C&I, (1990).
	NG	"Software-Based Fault-Tolerant Control Design for Improved Power Plant Operation," IEEE/IFAC Joint Symposium on Computer-Aided Control System Design, March 7-9, 1994 pgs. 585-590.
	NH	"A Standard Interface for Self-Validating Sensors, by M.P. Henry et al., Report No. QUEL 1884/91, (1991).
	NI	"Taking Full Advantage of Smart Transmitter Technology Now," by G. Orrison, Control Engineering, Vol. 42, No. 1, January 1995.
	NJ	"Using Artificial Neural Networks to Identify Nuclear Power Plant States," by Israel E. Alguindigue et al., pgs. 1-4.
	NK	"Application of Neural Computing Paradigms for Signal Validation," by B.R. Upadhyaya et al., Department of Nuclear Engineering, pgs. 1-18.
	NL	"Application of Neural Networks for Sensor Validation and Plant Monitoring," by B. Upadhyaya et al., Nuclear Technology, Vol. 97, No. 2, Feb. 1992 pgs. 170-176.
	NM	"Automated Generation of Nonlinear System Characterization for Sensor Failure Detection," by B.R. Upadhyaya et al., ISA, 1989 pgs. 269-274.
	NN	"In Situ Calibration of Nuclear Plant Platinum Resistance Thermometers Using Johnson Noise Methods," EPRI, June 1983.
	NO	"Johnson Noise Thermometer for High Radiation and High-Temperature Environments," by L. Oakes et al., Fifth Symposium on Space Nuclear Power Systems, January 1988, pgs. 2-23.
	NP	"Development of a Resistance Thermometer For Use Up to 1600°C", by M.J. de Groot et al., CAL LAB, July/August 1996, pgs. 38-41.

EXAMINER:	DATE CONSIDERED:

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	OA	"Survey, Applications, And Prospects of Johnson Noise Thermometry," by T. Blalock et al., Electrical Engineering Department, 1981 pgs. 2-11.
	OB	"Noise Thermometry for Industrial and Metrological Applications at KFA Julich," by H. Brixy et al., 7th International Symposium on Temperature, 1992.
	OC	"Johnson Noise Power Thermometer and its Application in Process Temperature Measurement," by T.V. Blalock et al., American Institute of Physics 1982, pgs. 1249-1259.
	OD	"Field-based Architecture is Based on Open Systems, Improves Plant Performance", by P. Cleaveland, I&CS, August 1996, pgs. 73-74.
	OE	"Tuned-Circuit Dual-Mode Johnson Noise Thermometers," by R.L. Shepard et al., April 1992.
	OF	"Tuned-Circuit Johnson Noise Thermometry," by Michael Roberts et al., 7th Symposium on Space Nuclear Power Systems, January 1990.
	OG	"Smart Field Devices Provide New Process Data, Increase System Flexibility," by Mark Boland, I&CS, November 1994, pgs. 45-51.
	OH	"Wavelet Analysis of Vibration, Part I: Theory[1]," by D.E. Newland, Journal of Vibration and Acoustics, Vol. 116, October 1994, pgs. 409-416.
	OI	"Wavelet Analysis of Vibration, Part 2: Wavelet Maps," by D.E. Newland, Journal of Vibration and Acoustics, Vol. 116, October 1994, pgs. 417-425.
	OJ	"Development of a Long-Life, High-Reliability Remotely Operated Johnson Noise Thermometer," by R.L. Shepard et al., ISA, 1991, pgs. 77-84.
	OK	"Application of Johnson Noise Thermometry to Space Nuclear Reactors," by M.J. Roberts et al., Presented at the 6th Symposium on Space Nuclear Power Systems, January 9-12, 1989.
	OL	"A Decade of Progress in High Temperature Johnson Noise Thermometry," by T.V. Blalock et al., American Institute of Physics, 1982 pgs. 1219-1223.
	OM	"Sensor and Device Diagnostics for Predictive and Proactive Maintenance", by B. Boynton, A Paper Presented at the Electric Power Research Institute - Fossil Plant Maintenance Conference in Baltimore, Maryland, July 29-August 1, 1996, pgs. 50-1 - 50-6.
	ON	"Detection of Hot Spots in Thin Metal Films Using an Ultra Sensitive Dual Channel Noise Measurement System," by G.H. Massiha et al., Energy and Information Technologies in the Southeast, Vol. 3 of 3, April 1989, pgs. 1310-1314.
	OO	"Detecting Blockage in Process Connections of Differential Pressure Transmitters", by E. Taya et al., SICE, 1995, pgs. 1605-1608.

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	Filing Date	Group Art:
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	PA	"Development and Application of Neural Network Algorithms For Process Diagnostics," by B.R. Upadhyaya et al., Proceedings of the 29th Conference on Decision and Control, 1990, pgs. 3277-3282.
	PB	"A Fault-Tolerant Interface for Self-Validating Sensors", by M.P. Henry, Colloquium, pgs. 3/1-3/2 (November 1990).
	PC	"Fuzzy Logic and Artificial Neural Networks for Nuclear Power Plant Applications," by R.C. Berkan et al., Proceedings of the American Power Conference.
	PD	"Fuzzy Logic and Neural Network Applications to Fault Diagnosis", by P. Frank et al., International Journal of Approximate Reasoning, (1997), pgs. 68-88.
	PE	"Keynote Paper: Hardware Compilation-A New Technique for Rapid Prototyping of Digital Systems-Applied to Sensor Validation", by M.P. Henry, Control Eng. Practice, Vol. 3, No. 7., pgs. 907-924, (1995).
	PF	"The Implications of Digital Communications on Sensor Validation", by M. Henry et al., Report No. QUEL 1912/92, (1992).
	PG	"In-Situ Response Time Testing of Thermocouples", ISA, by H.M. Hashemian et al., Paper No. 89-0056, pgs. 587-593, (1989).
	PH	"An Integrated Architecture For Signal Validation in Power Plants," by B.R. Upadhyaya et al., Third IEEE International Symposium on Intelligent Control, August 24-26, 1988, pgs. 1-6.
	PI	"Integration of Multiple Signal Validation Modules for Sensor Monitoring," by B. Upadhyaya et al., Department of Nuclear Engineering, July 8, 1990, pgs. 1-6.
	PJ	"Intelligent Behaviour for Self-Validating Sensors", by M.P. Henry, Advances In Measurement, pgs. 1-7, (May 1990).
	PK	"Measurement of the Temperature Fluctuation in a Resistor Generating 1/F Fluctuation," by S. Hashiguchi, Japanese Journal of Applied Physics, Vol. 22, No. 5, Part 2, May 1983, pgs. L284-L286.
	PL	"Check of Semiconductor Thermal Resistance Elements by the Method of Noise Thermometry", by A. B. Kisilevskii et al., Measurement Techniques, Vol. 25, No. 3, March 1982, New York, USA, pgs. 244-246.
	PM	"Neural Networks for Sensor Validation and Plant Monitoring," by B. Upadhyaya, International Fast Reactor Safety Meeting, August 12-16, 1990, pgs. 2-10.
	PN	"Neural Networks for Sensor Validation and Plantwide Monitoring," by E. Eryurek, 1992.
	PO	"A New Method of Johnson Noise Thermometry", by C.J. Borkowski et al., Rev. Sci. Instrum., Vol. 45, No. 2, (February 1974) pgs. 151-162.

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	Robert K. Schulz	
	Filing Date	Group Art:
	April 15, 2004	2855

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	QA	"Thermocouple Continuity Checker," IBM Technical Disclosure Bulletin, Vol. 20, No. 5, pages 1954 (October 1977).
	QB	"A Self-Validating Thermocouple," Janice C-Y et al., IEEE Transactions on Control Systems Technology, Vol. 5, No. 2, pp. 239-53 (March 1997).
	QC	Instrument Engineers' Handbook, Chapter IV entitled "Temperature Measurements," by T.J. Claggett, pp. 266-333 (1982).
	QD	"emWare's Releases EMIT 3.0, Allowing Manufacturers to Internet and Network Enable Devices Royalty Free," 3 pages, PR Newswire (November 4, 1998).
	QE	Warrior, J., "The IEEE P1451.1 Object Model Network Independent Interfaces for Sensors and Actuators," pp. 1-14, Rosemount Inc. (1997).
	QF	Warrior, J., "The Collision Between the Web and Plant Floor Automation," 6Th. WWW Conference Workshop on Embedded Web Technology, Santa Clara, CA (April 7, 1997).
	QG	Microsoft Press Computer Dictionary, 3rd Edition, page 124.
	QH	"Internal Statistical Quality Control for Quality Monitoring Instruments", by P. Girling et al., ISA, 15 pgs., 1999.
	QI	Web Pages from www.triant.com (3 pgs.).
	QJ	"Statistical Process Control (Practice Guide Series Book)", Instrument Society of America, 1995, pgs. 1-58 and 169-204.
	QK	"Time-Frequency Analysis of Transient Pressure Signals for a Mechanical Heart Valve Cavitation Study," ASAIO Journal, by Alex A. Yu et al., Vol. 44, No. 5, pgs. M475-M479, (September - October 1998).
	QL	"Transient Pressure Signals in Mechanical Heart Valve Caviation," by Z.J. Wu et al., pgs. M555-M561 (undated).
	QM	"Caviation in Pumps, Pipes and Valves," Process Engineering, by Dr. Ronald Young, pgs. 47 and 49 (January 1990).
	QN	"Quantification of Heart Valve Cavitation Based on High Fidelity Pressure Measurements," Advances in Bioengineering 1994, by Laura A. Garrison et al., BED-Vol. 28, pgs. 297-298 (November 6-11, 1994).
	QO	"Monitoring and Diagnosis of Cavitation in Pumps and Valves Using the Wigner Distribution," Hydroaccoustic Facilities, Instrumentation, and Experimental Techniques, NCA-Vol. 10, pgs. 31-36 (1991).
	QP	"Developing Predictive Models for Cavitation Erosion," Codes and Standards in A Global Environment, PVP-Vol. 259, pgs. 189-192 (1993).

EXAMINER:	DATE CONSIDERED:

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FORM PTO-1449	Atty. Docket No.: **R11.12-0803**	Appl. No.: **10/825,480**
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Robert K. Schulz	
	Filing Date	Group Art:
	April 15, 2004	**2855**

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	RA	"Self-Diagnosing Intelligent Motors: A Key Enabler for Next Generation Manufacturing System," by Fred M. Discenzo et al., pgs. 3/1-3/4 (1999).
	RB	"A Microcomputer-Based Instrument for Applications in Platinum Resistance Thermomety," by H. Rosemary Taylor and Hector A. Navarro, Journal of Physics E. Scientific Instrument, Vol. 16, No. 11, pp. 1100-1104 (1983).
	RC	"Experience in Using Estelle for the Specification and Verification of a Fieldbus Protocol: FIP," by Barretto et al., Computer Networking, pp. 295-304 (1990).
	RD	"Computer Simulation of H1 Field Bus Transmission," by Utsumi et al., Advances in Instrumentation and Control, Vol. 46, Part 2, pp. 1815-1827 (1991).
	RE	"Progress in Fieldbus Developments for Measuring and Control Application," by A. Schwaier, Sensor and Acuators, pp. 115-119 (1991).
	RF	"Ein Emulationssystem zur Leistungsanalyse von Feldbussystemen, Teil 1," by R. Hoyer, pp. 335-336 (1991).
	RG	"Simulatore Integrato: Controllo su bus di campo," by Barabino et al., Automazione e Strumentazione, pp. 85-91 (October 1993).
	RH	"Ein Modulares, verteiltes Diagnose-Expertensystem für die Fehlerdiagnose in lokalen Netzen," by Jürgen M. Schröder, pp. 557-565 (1990).
	RI	"Fault Diagnosis of Fieldbus Systems," by Jürgen Quade, pp. 577-581 (10/92).
	RJ	"Ziele und Anwendungen von Feldbussystemen," by T. Pfeifer et al., pp. 549-557 (10/87).
	RK	"PROFIBUS Infrastructure Measures," by Tilo Pfeifer et al., pp. 416-419 (8/91).
	RL	"Simulation the Time Behaviour of Fieldbus Systems," by O. Schnelle, pp. 440-442 (1991).
	RM	"Modélisation et simulation d'un bus de terrain: FIP," by Song et al, pp. 5-9 (undated).
	RN	"Field Bus Networks for Automation Systems Containing Intelligent Functional Unites," by W. Kriesel et al., pp. 486-489 (1987).
	RO	"Field Buses for Process Interconnection with Digital Control Systems," Tecnología, pp. 141-147 (1990).
	RP	"Decentralised Systems with Real-Time Field Bus," Netzwerke, Jg. Nr.3 v. 14.3, 4 pages (1990).

EXAMINER:	DATE CONSIDERED:

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	Robert K. Schulz	
	Filing Date	Group Art:
	April 15, 2004	2855

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	SA	"Process Measurement and Analysis," by Liptak et al., Instrument Engineers' Handbook, Third Edition, pp. 528-530, (1995).
	SB	"Improving Dynamic Performance of Temperature Sensors With Fuzzy Control Techniques," by Wang Lei et al., pp. 872-873 (1992).
	SC	"Microsoft Press Computer Dictionary" 2nd Edition, 1994, Microsoft Press. p. 156
	SD	Copy of International Search Report from Application Number PCT/US01/40791 with international filing date of May 22, 2001.
	SE	Copy of International Search Report from Application Number PCT/US01/40782 with international filing date of May 22, 2001.
	SF	Copy of International Search Report from Application Number PCT/02/14560 with international filing date of May 8, 2002.
	ZG	Copy of International Search Report from Application Number PCT/US02/14934 with international filing date of May 8, 2002.
	SH	"On-Line Tool Condition Monitoring System With Wavelet Fuzzy Neural Network," by Li Xiaoli et al., pp. 271-276 (1997).
	SI	"Optimal Design of the Coils of An Electromagnetic Flow Meter," by Michalski, A. et al., IEEE Transactions on Magnetics, Vol. 34, Issue 5, Part 1, pp. 2563-2566 (1998).
	SJ	"Magnetic Fluid Flow Meter for Gases," Popa, N.C., IEEE Transactions on Magnetics, Vol. 30, Issue 2, Part 1-2, pp. 936-938 (1993).
	SK	"New Approach to A Main Error Estimation for Primary Transducer of Electromagnetic Flow Meter," by Michalski, A., IEEE Instrumentation and Measurement Technology Conference Proceedings, Vol. 2, pp. 1093-1097 (1998).
	SL	"Additional Information From Flowmeters Via Signal Analysis," by Amadi-Echendu, J.E. et al., IEEE Instrumentation and Measurement Technology Conference Record, Vol. 7, pp. 187-193 (1990).
	SM	Copy of International Search Report from Application Number PCT/US02/06606 with international filing date of March 5, 2002.
	SN	Copy of International Search Report from Application Number PCT/US02/30465 with international filing date of September 25, 2002.
	SO	
	SP	
	SQ	
	SR	

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	TA	4,630,265	12/15/86	Sexton	370	85	
	TB	5,434,774	07/18/95	Seberger	364	172	
	TC	5,555,190	09/10/96	Derby et al.	364	510	
	TD	6,023,399	02/08/00	Kogure	361	23	
	TE	6,209,048	03/27/01	Wolff	710	62	
	TF	6,272,438	08/07/01	Cunningham et al.	702	56	
	TG	6,370,448	04/09/02	Eryurek	700	282	
	TH	6,377,859	04/23/02	Brown et al.	700	79	
	TI	6,473,656	10/29/02	Langels et al.	700	17	
	TJ	6,317,701	11/13/01	Pyostsia et al.	702	188	
	TK	6,307,483	10/23/01	Westfield et al.	340	870.11	
	TL	6,061,603	05/09/00	Papadopoulos et al.	700	83	
	TM	2002/0013629	01/31/02	Nixon et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes	No
	TN	WO 00/41050	07/13/00	WIPO			X	
	TO	WO 01/77766	10/18/01	WIPO			X	
	TP	WO 02/27418	04/04/02	WIPO			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	TQ	
	TR	
	TS	
	TT	
	TU	

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	UA	5,216,226	06/01/93	Miyoshi	219	497	
	UB	5,481,200	01/02/96	Voegele et al.	324	718	
	UC	5,629,870	05/13/97	Farag et al.	364	551.01	
	UD	5,654,869	08/05/97	Ohi et al.	361	540	
	UE	6,405,099	6/11/02	Nagai et al.	700	159	
	UF	2002/0145568	10/10/02	Winter	343	701	
	UG	4,926,364	5/15/90	Brotherton	364	581	
	UH	5,340,271	8/23/94	Freeman et al.	415	1	
	UI	5,410,495	4/25/95	Ramamurthi	364	511.05	
	UJ	5,764,539	6/9/98	Rani	364	557	
	UK	5,790,413	8/4/98	Bartusiak et al.	364	485	
	UL	6,480,793	11/12/02	Martin	702	45	
	UM	2003/0045962	3/6/03	Eryurek et al.	700	128	
	UN	2003/0033040	2/13/03	Billings	700	97	
	UO	4,540,468	9/10/85	Genco et al.	162	49	
	UP	5,150,289	9/22/92	Badavas	364	154	
	UQ	5,672,247	9/30/97	Pangalos et al.	162	65	
	UR	4,758,308	7/19/88	Carr	162	263	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes	No
	US	06-248224	10/14/94	Japan			X	
	UT	999950	11/16/76	Canada			X	
	UU	WO 98/14855	04/09/98	WIPO			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	UV	"What is a weighted moving average?", DAU STAT REFRESHER, http://cne.gmu.edu/modules/dau/stat/mvavgs/wma_bdy.html. (1995).

EXAMINER:	DATE CONSIDERED:

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	WA	4,686,638	8/11/87	Furuse	364	558	
	WB	6,182,501	2/6/01	Furuse et al.	73	49.2	
	WC	5,825,664	10/1998	Warrior et al.	700	7	
	WD	6,026,352	02/15/00	Burns et al.	702	182	
	WE	6,094,600	07/25/00	Sharpe, Jr. et al.	700	19	
	WF	10/675,014	9/2003	Longsdorf et al.			
	WG	10/744,809	12/2003	Brown et al.			
	WH	6,179,964	1/2001	Begemann et al.	162	198	
	WI	3,849,637	11/1974	Caruso et al.	235	151	
	WJ	3,952,759	4/1976	Ottenstein	137	12	
	WK	4,249,164	2/1981	Tivy	340	870.3	
	WL	4,279,013	7/1981	Dahlke	340	870.37	
	WM	4,417,312	11/1983	Cronin eta l.	364	510	
	WN	4,853,693	8/1989	Eaton-Williams	340	588	
	WO	4,545,258	10/1985	Coursolle	73	861.22	
	WP	4,598,251	7/1986	Wehrs	328	140	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes	No
	WQ	08-114638	5/1996	Japan			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	WR	"Statistics Glossary: Time Series Data", by Easton et al., http://www.stats.gla.ac.uk/steps/glossary/time_series.html, 9/1997.
	WS	"The Indicators Story", Sustainable Seattle, pgs 55-59, 1998.
	WT	"Detecting Regimes in Temperature Time Series", by Clemins et al., Artificial Neural Networks in Engineering, Proceedings, pages 727-732, 2001.
	WU	"Re: Digital Filter-Moving Average", The Math Forumn, http://mathforum.org/discuss/sci.math/a/t/177212, 9/28/98.

EXAMINER:	DATE CONSIDERED:

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	WV	5,434,774	7/1995	Seberger	364	172	
	WW	5,469,749	11/1995	Shimada et al.	73	861.47	
	WX	5,682,317	10/1997	Keeler et al.	364	431.03	
	WY	5,752,008	5/1998	Bowling	395	500	
	WZ	6,023,399	2/2000	Kogure	361	23	
	XA	6,072,150	6/2000	Sheffer	219	121.83	
	XB	6,112,131	8/2000	Ghorashi et al.	700	142	
	XC	6,199,018	3/2001	Quist et al.	702	34	
	XD	6,347,252	2/2002	Behr et al.	700	2	
	XE	6,370,448	4/2002	Eryurek	700	19	
	XF	6,397,114	5/2002	Eryurek et al.	700	32	
	XG	10/893,144	7/2004	Brown et al.			
	XH	5,578,763	11/1996	Spencer et al.	73	861.08	
	XI	5,644,240	7/1997	Brugger	324	439	
	XJ	6,237,424	5/2001	Salmasi et al.	73	861.17	
	XK	5,128,625	7/1992	Yatsuzuka et al.	327	557	
	XL	5,337,367	8/1994	Maeda	381	94	
	XM	5,339,335	8/1994	Molnar	702	193	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes	No
	XN	WO 01/01213 A1	1/2001	WIPO			X	
	XO	0 807 804 A2	11/1997	EP			X	
	XP	WO 01/90704 A2	11/2001	WIPO			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	XQ	"Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority", or the Declaration for PCT/US2004/017300

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	XR	5,416,593	5/1995	Vercruysse	356	429	
	XS	5,469,087	11/1995	Eatwell	327	555	
	XT	5,555,190	9/1996	Derby et al.	73	861.356	
	XU	5,576,497	11/1996	Vignos et al.	73	861.22	
	XV	5,867,058	2/1999	DeCarlo, Jr.	327	557	
	XW	5,909,188	6/1999	Tetzlaff et al.	341	155	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes	Translation No
	XX	1300924	5/1992	CA			X	
	XY	05203761	8/1993	JP			X (Abstract)	
	XZ	WO 98/37391	8/1998	WIPO			X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	YA	
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	YE	
	YF	

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